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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/555,347	11/01/2005	Ryuzo Ueno	Q91161	9331
23373 SUGHRUE M	7590 08/03/2007 ION. PLLC		EXAMINER	
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800		<b>V</b> .	WITHERSPOON, SIKARL A	
	NGTON, DC 20037	•	ART UNIT	PAPER NUMBER
			1621	
	•			
			MAIL DATE	DELIVERY MODE
			08/03/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
Office Action Summary		10/555,347	UENO ET AL.				
		Examiner	Art Unit				
		Sikarl A. Witherspoon	1621				
	The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
	Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,						
WHIC - Exte after - If NC - Failu Any	CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.1: SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 30 March 2007.						
2a) <u></u> ☐	This action is <b>FINAL</b> . 2b)⊠ This	action is non-final.					
3)	) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
4)⊠	Claim(s) <u>1-5</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
·	Claim(s) is/are allowed.						
-	Claim(s) <u>1-5</u> is/are rejected.						
·	Claim(s) is/are objected to.	a alaatian yaquiramant					
8)[_]	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	ion Papers						
9)[	The specification is objected to by the Examine	<b>r.</b>					
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
441	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
,—		anniner. Note the attached Office	Action of form F 10-152.				
Priority ι	ınder 35 U.S.C. § 119						
	12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
* 0	application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
200 the attached detailed entire action for a list of the continue copies not received.							
	· 						
Attachmen	t(s) e of References Cited (PTO-892)	4) Interview Summary	(PTO 413)				
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	nte				
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>11/1/05,3/1/07,3/30/07</u> .	5)  Notice of Informal P 6) Other:	atent Application				

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pitchumani et al (Catalysis Letters, 1993).

The instant claims are drawn to a process for preparing 3-nitro-4-alkoxybenzoic acid by reacting a 4-alkoxybenzoic acid and 40-80% nitric acid at a reaction temperature from 30 to 100° C.

Pitchumani et al teach the nitration of p-anisic acid (4-methoxybenzoic acid) with fuming nitric acid (i.e., about 70% nitric acid) to produce 3-nitro-4-methoxybenzoic acid. The differences between Pitchumani et al and the instant claims are that Pitchumani do not teach the exact temperature range recited in the instant claims; Pitchumani et al teach a suggest a temperature corresponding to that at which nitric acid is refluxed in a water bath, and the reference does not expressly teach cooling and precipitating the reaction product.

None of these differences confer patentability to the instant claims. The temperature during which the nitration takes place would have been obvious to a person having ordinary skill since it is within the range that such a person would expect a nitration reaction to commence, base on prior art teachings. As far as the isolation

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steps recited in the instant claims, the examiner finds the cooling and precipitation steps obvious since such steps are well within the knowledge of a person having *ordinary* skill in the art looking to separate the product from the reaction mixture.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikarl A. Witherspoon whose telephone number is 571-272-0649. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sikarl A. Wähinger SIKARL A. WITHERSPOON PRIMARY EXAMINER

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